



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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| REVISIONS |     |                           |           |       |
|-----------|-----|---------------------------|-----------|-------|
| P         | LTR | DESCRIPTION               | DATE      | APVD  |
| H         |     | REVISED PER ECR-16-010585 | 25JUL2016 | RS PO |

Dimensions: 6.40, 7.60, 1.00(TYP.20), 5.00 TYP., 4.90, [5.00] TRAVEL, .75 X 45°

Callouts: 3, 2, 1(1A)

Dimensions: 8.40, 8.40, 1.65, 4.40, 0.700<sup>+0.02</sup>/<sub>-0.03</sub> TYP

Callouts: 4, 5, 6, 7, 8, 9, 10

Feature: 0.2 / 20 PLCS

Dimensions: 52.00, 11.30

Callouts: 2, 3

**SPECIFICATIONS:**  
 FOUR POLE FOUR THROW

**ELECTRICAL:**  
 CONTACT RATING, LOAD 1: 24VAC AT 1.2AMP (POWER FACTOR 0.4) AND INRUSH CURRENT OF 4.2 AMP (POWER FACTOR 0.4)  
 LOAD 2: 750mVDC AT 100mA  
 CONTACT RESISTANCE, 30 MILLIOHMS MAX  
 INSULATION RESISTANCE, 500 MEGOHM MIN  
 DIELECTRIC STRENGTH, 500 V RMS@ SEA LEVEL  
 LIFE EXPECTANCY, 2,000 CYCLES

**ENVIRONMENTAL:**  
 OPERATING TEMPERATURE, -20 TO +85° C  
 STORAGE TEMPERATURE, -20 TO +85° C  
 RESISTANCE TO SOLDER HEAT, PER 109-201, CONDITION A OMIT SECTION 3.3  
 TIME OVER LIQUIDUS (217°C) 20 SECONDS MAX  
 PEAK TEMPERATURE 225°±5°C

1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

2 PART TO BE RECEIVED WITH ACTUATOR IN POSITION B

3 MARK PER 202-37 THIS SURFACE

4 NOTE DELETED.

5 RESISTANCE TO SOLDER HEAT, PER 109-201 CONDITION B.

| ITEM NO. | DESCRIPTION | MATERIAL                         | QUANTITY               |          |
|----------|-------------|----------------------------------|------------------------|----------|
| 2        | NONE        | STEEL                            | BALL                   | 10       |
| 1        | NONE        | STEEL                            | SPRING                 | 9        |
| AR       | NONE        | GREASE                           | ACTUATOR LUBRICATION   | 8        |
| AR       | NONE        | GREASE                           | CONTACT LUBRICATION    | 7        |
| 1        | NONE        | MUSIC WIRE                       | COIL SPRING            | 6        |
| 2        | AG OVER NI  | COPPER TI                        | MOVING CONTACT         | 5        |
| 20       | AG OVER NI  | COPPER                           | FIXED CONTACT/TERMINAL | 4        |
| 1        | NICKEL      | COLD ROLLED STEEL                | FRAME                  | 3        |
| 1        | NATURAL     | PHENOLIC LAMINATED SHEET UL94 HB | BOARD                  | 2        |
| 1        | BLACK       | LCP UL94 V-0 30% GF              | ACTUATOR               | 1A       |
| -        | BLACK       | PA66 UL 94HB, 15% GF             | ACTUATOR               | 1        |
| -4       | FINISH      | MATERIAL                         | PART DESCRIPTION       | ITEM NO. |

NON SHORTING SCHEMATIC

| SOLDER HEAT                            |        | TAPE & REEL            | N/A                                     | 1977145-4 |
|--|--------|------------------------|---|-----------|
| PACKAGING                              |        | INSPECTION STATUS      | PART NUMBER                             |           |
| THIS DRAWING IS A CONTROLLED DOCUMENT. |        | DWN M.BINNER 23JUL2007 | TE Connectivity                         |           |
| DIMENSIONS: mm                         |        | CHK M.SARVER 23JUL07   | SLIDE SWITCH, 4P4T, SMT                 |           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |        | APVD -                 | SIZE CAGE CODE DRAWING NO RESTRICTED TO |           |
| 0 PLC                                  | ± -    | PRODUCT SPEC           | A2 00779 C=1977145                      |           |
| 1 PLC                                  | ± -    | APPLICATION SPEC       | SCALE 4:1 SHEET 1 OF 2 REV H            |           |
| 2 PLC                                  | ± 0.20 | WEIGHT                 |   |           |
| 3 PLC                                  | ± 0.02 | CUSTOMER DRAWING       |   |           |
| 4 PLC                                  | ± -    |                        |   |           |
| ANGLES                                 | ± 3°   |                        |   |           |
| MATERIAL                               | FINISH |                        |   |           |

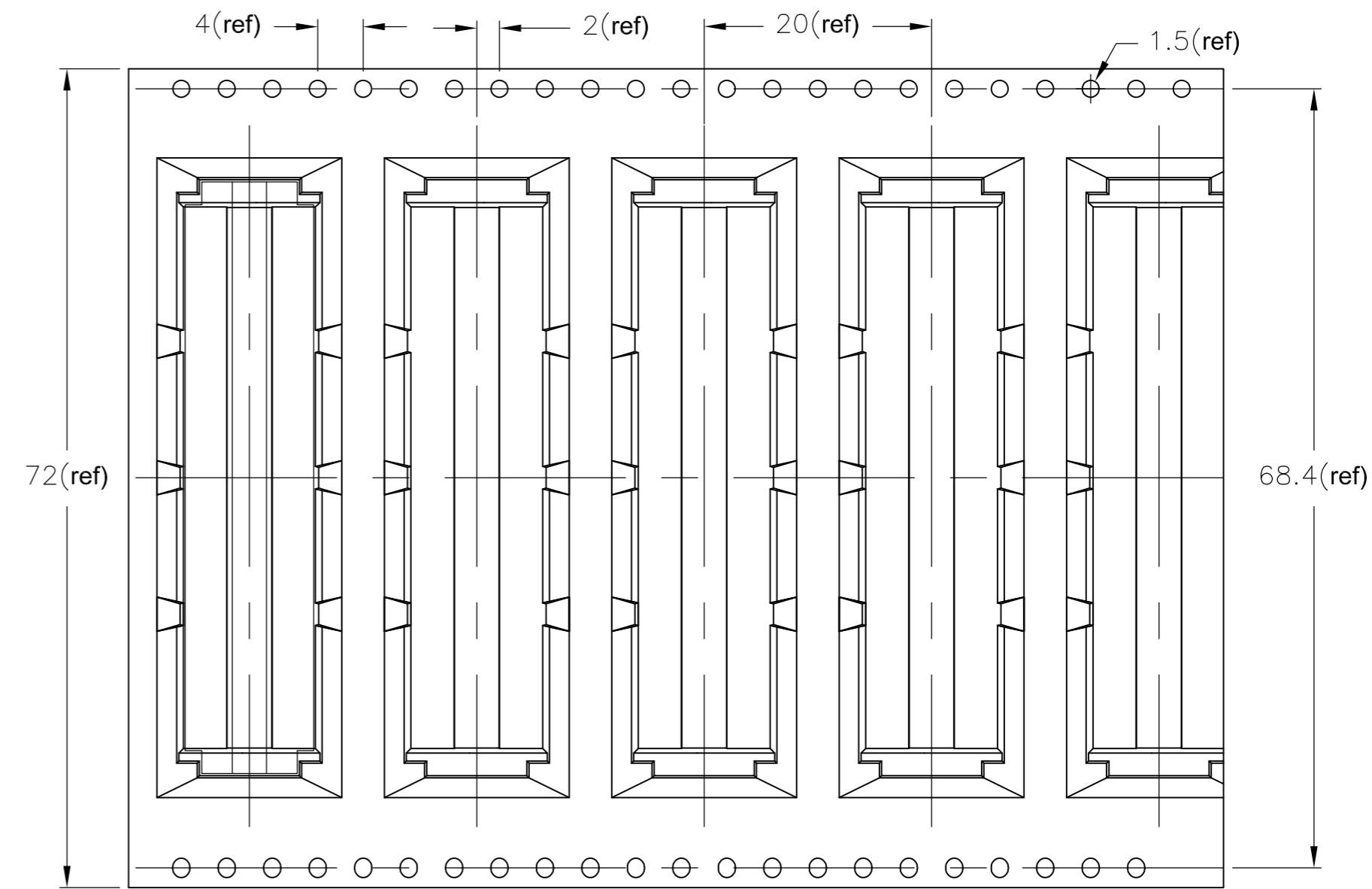
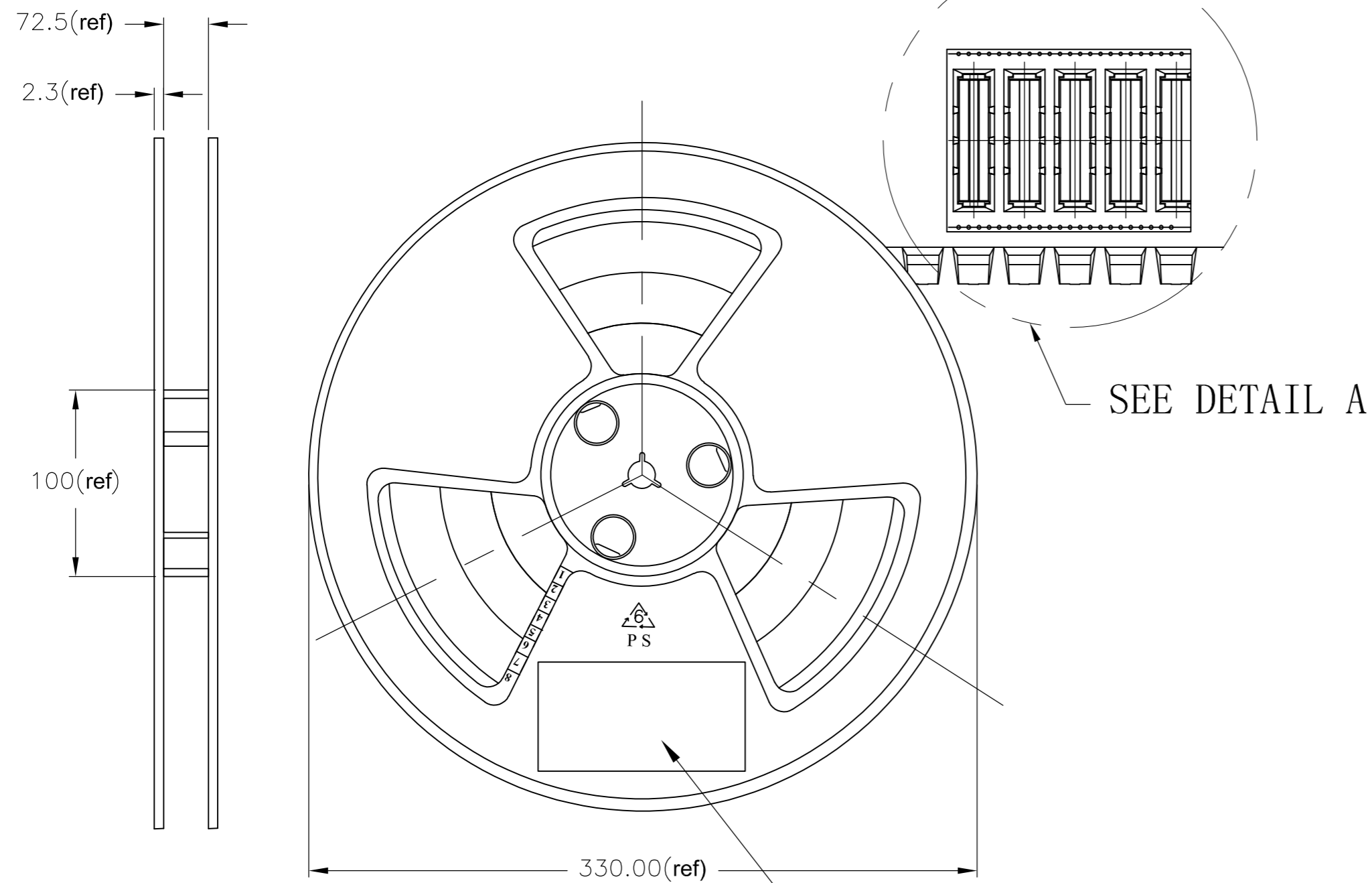
1471-9 (1/15)

1977145

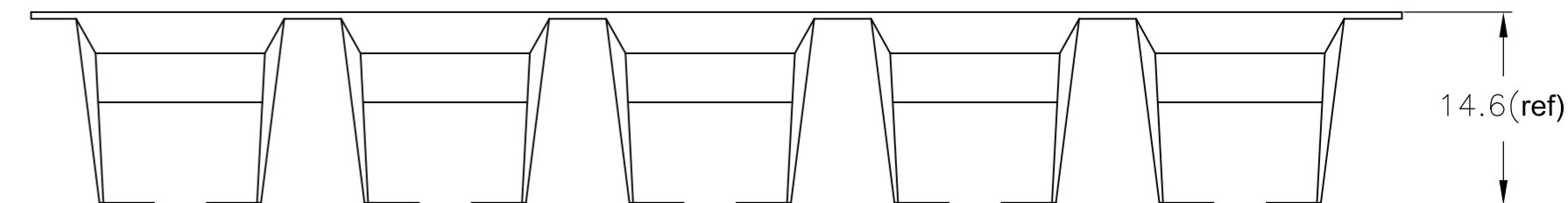
A

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| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |



INTERNAL LABEL STUCK ON REEL (DETAILS AS PER NOTE 5)



SEE DETAIL A  
4:1

NOTES

1. TAPE, REEL, AND TAPING SHALL MEET THE REQUIREMENTS OF EIA-481-2.
2. EMBOSSED TAPE SHALL BE CONDUCTIVE TYPE.
3. FOR PART ORIENTATION IN TAPE SEE DETAIL A.
4. REEL SHALL CONTAIN 200 PIECES SWITCH.

5. DETAILS OF INTERNAL LABEL ON REEL:  
 TYCO ELECTRONICS  
 P/N:1977145-3 & -4  
 QTY:200PCS  
 DATE CODE:XXXX

|  |  |                              |                         |               |
|--|--|------------------------------|-------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>M.BINNER<br>23JUL2007 |                         |               |
| DIMENSIONS:<br>mm                      |  | CHK<br>M.SARVER<br>23JUL07   |                         |               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD<br>-                    | NAME                    |               |
| 0 PLC ± -                              |  | PRODUCT SPEC                 | SLIDE SWITCH, 4P4T, SMT |               |
| 1 PLC ± -                              |  | APPLICATION SPEC             | SIZE                    | CAGE CODE     |
| 2 PLC ± 0.20                           |  | WEIGHT                       | A2                      | 00779         |
| 3 PLC ± 0.02                           |  | CUSTOMER DRAWING             | DRAWING NO              | RESTRICTED TO |
| 4 PLC ± -                              |  | SCALE                        | C=1977145               |               |
| ANGLES ± 3°                            |  | SHEET                        | 2 of 2                  | REV           |
| FINISH                                 |  | SCALE                        | NTS                     | H             |